

08/07/01  
1/24/01

FISH & RICHARDSON P.C.

08/977,787

225 Franklin Street  
Boston, Massachusetts  
02110-2804

Telephone  
617 542-5070

Facsimile  
617 542-8906

Web Site  
www.fr.com

Date August 7, 2001

To Mary K. Zeman  
Patent Examiner  
PTO (Patent)  
Commissioner for Patents  
Washington, DC 20231  
Telephone: (800) 786-9199

Facsimile number 12071-01100002 / 703-746-5279

From Lee Crews, Ph.D.

Re IMMUNE RESPONSES USING COMPOSITIONS CONTAINING STRESS  
PROTEINS

Applicant: Lee A. Mizzen *et al.*  
Application No.: 08/977,787  
Filing Date: November 25, 1997  
Country: United States  
Our Ref.: 12071-011002

Number of pages  
including this page 16

Message

NOTE: This facsimile is intended for the addressee only and may contain privileged or confidential information. If you have received this facsimile in error, please immediately call us collect at 617 542-5070 to arrange for its return. Thank you.

Attorney's Docket No.: 12071-011002

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Lee Mizzen *et al.* Art Unit : 1631  
Serial No. : 08/977,787 Examiner : Mary K. Zeman  
Filed : November 25, 1997  
Title : IMMUNE RESPONSES USING COMPOSITIONS CONTAINING STRESS  
PROTEINS

**BOX AF**

Commissioner for Patents  
Washington, D.C. 20231

SUPPLEMENTAL AMENDMENT

In response to the Office Action mailed July 10, 2000, and pursuant to Applicants' Notice of Appeal (filed January 10, 2001), please amend the application as follows and consider the remarks below. According to the Advisory Action mailed July 17, 2001, the amendment filed June 11, 2001, was not entered.

In the claims:

Cancel claims 55, 56, and 60.

Amend claims 54, 57-59, and 61-67 as follows.

*Handwritten: F1*  
*Handwritten: 53*  
-- 54. (Amended) A fusion protein comprising an antigen of an influenza virus, or an antigenic portion thereof, and a stress protein, or a portion thereof, wherein the fusion protein induces an immune response against the antigen in a mammal to whom the fusion protein is administered.

*Handwritten: F2*  
*Handwritten: 56*  
*Handwritten: 53*  
-- 57. (Amended) The fusion protein of claim 54, wherein the antigen of the influenza virus is hemagglutinin, nucleoprotein, neuraminidase, M1, M2, PB1, PB2, or PA.

## CERTIFICATE OF TRANSMISSION BY FACSIMILE

I hereby certify that this correspondence is being transmitted by facsimile to the Patent and Trademark Office on the date indicated below.

Date of Transmission

Signature

Typed or Printed Name of Person Signing Certificate

August 7, 2001

Samantha Bell

Samantha Bell